

Methods of Fruit Tree Seed Preparation
for Sowing, by Yu Bolotskii.
RUSSIAN, per, Sadovodstvo, No 10, 1960,
pp 9-37
CSIRO/No 7006

Sci -
Jul 67

334,957

Productivity of Buds on Laterals, by
Z. Kolesnik. *6 pp.*

RUSSIAN, per, Sadovodstvo Vinogradarstvo i
Vinozelie Moldaviy, no 3, 1957, pp 34, 35.

Vol 711
CSIRO/No 5780

Sci-Biol & Med Sci
Mar 63

225,300

62-32972

Zhuravel', M. S.
THE BREEDING OF SEEDLESS VARIETIES OF
GRAPES (O Vyvedenii Bessemyannykh Sortov Vinograda)
tr. by R. J. Zatorski. [1962] [14]p. (foreign text in-
cluded). [CSIRO] Trans. no. 5672.
Order from OTS or SLA \$1.60 62-32972

Trans. of Sadovodstvo, Vinogradarstvo i Vinodelie
Moldavii (USSR) 1960 [v. 15] no. 4. p. 27-32.

DESCRIPTORS: *Genetics, *Reproduction, *Fruits,
Seeds, Mutations, Taste, Growth, Agriculture.

(Agriculture--Plant Cultivation, TT, v. 9, no. 6)

- I. Title: Seedless grapes
- I. Zhuravel', M. S.
- II. CSIRO Trans-5672
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Noted

Office of Technical Services

The Trawl Fishery for Rockfish in the Bering
Sea, by A. V. Lestev.

RUSSIAN, ^{bk}~~per~~, Sakhalinskoe Otdel Tikhoo-
okeanskogo Nauch Issled Inst Morskogo
Rybnogo Khoz i Okeanografii, 1961, 26 pp.

Dept of Interior
QH301 C273 No 439

Sci-Biol

344,025

Sen 63

Problems of the Sugar Beet Farms in 1947, by
W. S. Alekseev.

RUSSIAN, per, Sakh Promysh, Vol XX, No 2, Feb 1947,
pp 1-7, 64.8 Sa2

USDA Trans No 208

USSR
Scientific - Biology, sugar beets, farms

Measures to Increase the Yields of Sugar Beets, by
M. K. Meknik.

RUSSIAN, per, Sakh Promysh, Vol XX, No IV, Apr 1947,
pp 3-7. 65.8 Sa2.

USDA Trans No 210

USSR
Scientific - Biology, sugar beets, plants,

Downy Mildew of Sugar Beets, by Z. A. Mishevich,
A. I. Zakharchenko.

RUSSIAN, per, Sakh Promysh, Vol XX, No. 6, June 1947,
pp 31-34.

USDA Trans No 215

USSR

Scientific - Biology, sugar beets, mildew

Variety Breeding and Seed Production of Sugar Beets
During the Soviet Period, by D. N. Puzikov.

RUSSIAN, per, Sakh Promysh, Vol. XXI, No 11, Nov 1947,
pp 43-46. 65.8 Sa2.

USDA Trans No 212

USSR
Scientific - Biology, sugar beets, seed,
Economic - Production, breeding

Vostokov, A. T. and Shilenko, V. D.
SPONTANEOUS CRYSTALLIZATION IN THE COOKING
OF THE MASSECUTES BY MEANS OF A CRYSTAL-
LINE SUGAR PASTE (METHOD OF PROF. A. A.
SHUMILOV). [1963] [10]p.
Order from OTS or SLA \$1.10

63-16375

Trans. of Sakharnaya Promyshlennost' (USSR) 1948,
v. 22, no. 4, p. 22-25.

DESCRIPTORS: *Carbohydrates, *Crystals, *Crystal-
lization, Boiling, Storage, Cooking devices.

(Food, TT, v. 10, no. 8)

63-16375

1. Title: Massecuites
2. Title: Pastes
- I. Vostokov, A. T.
- II. Shilenko, V. D.
- III. Shumilov, A. A.

Office of Technical Services

Problems Concerning the Improvement of the Non-
Transplant Method of Growing Beet Seeds, by
F. I. Adamenko.

RUSSIAN, per, Sakh Prosvet, Vol XXI, No 2, Feb 1948,
pp 37-39. 65.8-322

USDA Trans 268

USSR

Economic - Agriculture, sugar beets
Scientific - Biology, sugar beets

541

Kuzub, N. A.

CLEANING OF CALANDRIA FROM INCRUSTATION
BY MEANS OF THERMAL TREATMENT. [1963] 6p.
Order from OTS or SLA \$1.10 63-14867

Trans. of Sakharnaya Promyshlennost' (USSR) 1949,
v. 23, no. 10, p. 8-10.

DESCRIPTORS: Evaporators, Vacuum apparatus,
*Scale, *Pipes, Separation, Heat treatment, Refineries.

By the thermal treating of the pipes with scale, the moisture and crystalline water which are connected with the organic and inorganic part of the scale are removed. The colloidal part and the organic compounds (including nitrogen compounds) are destroyed. This causes the physical-chemical properties of the scale to be changed. The diameter of the scale gets smaller which causes its separation from the pipes. Along the pipe-length the scale increases 2 mm. per 200 mm.; the scale falls out easily from the pipe.

63-14867

1. Title Calandria
I. Kuzub, N. A.

(Engineering--Chemical, TT,
v. 10, no. 9)
Office of Technical Services

The Use of Ring Packings in Apparatus, by I. I.
Nevstruev.

RUSSIAN, per, Sakh Prom, Vol XXIV, Jun 1950,
pp 11-14.

Sci Museum Lib No 52/0201

USSR
Economic - Technology

Jan 54 CTS

8761

From Experiments in Pelletting Segmented Sugar Beet
Seeds, by A. V. Peterburgskii, V. S. Kurbatov,
A. F. Sheniakina.

RUSSIAN, per, Sakh Promysh, Vol XXIV, No 4, Apr 1950,
pp 41-44. 65.8 536

USDA Trans 263

USSR

Economic - Agriculture, sugar beets

Scientific - Biology, sugar beets

536

Internal Preharvest Feeding of Sugar Beets, by
~~XXXXXXXXXXXX~~ M. M. Edel'shtein.

RUSSIAN, per, Sakh Promysh, Vol XXIV, No 5,
May 1950, pp 39-41. 65.8 Sa2.

USDA Trans No 219

USSR
Scientific - Biology, sugar beets, preharvest

The Development of Sugar and Syrup Production From
Plants Other Than Beets in USSR, by (V. N.) Vinogradov,
A. I. Vostokov.

RUSSIAN, per, Sakh Promysh, Vol XXV, No 3, Mar 1951,
pp 8-14. 65.8 Ba2

USDA Trans 264

USSR

Economic - Agriculture, sugar beets
Scientific - Biology, sugar beets

537

The Sowing of Mother Sugar Beet, by B. V. Murzaev.

RUSSIAN, per, Sakh Prosvish, Vol XXV, No 6, Jun 1951,
pp 45-46. 05.0 342

USDA Trans 266

USSR

Economic - Agriculture, sugar beets

Scientific - Biology, sugar beets

539

Sugar Beet Industry in the Post War Years in the USSR,
Countries of the People's Democracies and Capitalistic
Governments, by N. V. Vinogradov.

Full translation.

RUSSIAN, per, Sakh Prom, Vol XXVI, No 4, pp 27-30.
65.8 Sa2

USDA Tr

Jul 53 CTS/DEX

USSR
Satellites International
Economic - Agriculture

3420

Questions of Organizing the Sugar Industry on the
Basis of Great Communist Construction, by N. V.
~~Vinogradov~~ Vinogradov.

Full translation.

RUSSIAN, per, Sakh Prom, Vol XXVI, No 5, May 1952,
pp 36-40. 68.8 Sa2

USDA Tr
Jul 53 CTS/DEX

USSR

Economic - ~~Agriculture~~ Agriculture

3421

Viscosity Of Molasses by P.M.Silin and Z.A.Silina.

RUSSIAN, per, Sakharnaya Promyshlennost', No 7,
1953, pp 21-27.

CSIRO

Oct. 62

63-16364

I. Ponomarenko, A. P.

Ponomarenko, A. P.
UTILIZATION OF STEAM COMPRESSORS IN THE
EVAPORATING SYSTEM. [1963] 8p. (figs. omitted).
Order from OTS or SLA \$1.10 63-16364

Trans. of Sakharnaya Prom[yshlennost'] (USSR) 1954,
v. 28, no. 3, p. 11-14.

DESCRIPTORS: *Steam, *Compressors, *Evaporators,
Refineries, *Carbohydrates.

Use of steam compressors is effective in all cases,
when vapor from last effect goes into the condenser.
Due to the work of compressors, the consumption of
steam used for the concentration of juice and sirups is
saved at the same or increased density. Use of steam
compressors increases rate of vapor production which
improves performance of the evaporators. Use of com-
pressors in the absence of reserved heat transfer
capacity of first evaporator body permits the increase
(Food, TT, v. 10, no. 8) (over)

Office of Technical Services

THE AUTOMATIC SACCHARIMETER, BY W. I.
KUDRIAVTZEV, V. I. KUDRYAVTSEV.

RUSSIAN, PER, SAKHARNAYA PROM, VOL XXVII,
NO 11, 1955, PP 14-16.

NLL M. 4984

SCI - ENGR

OCT 62

214,735

Dependence of Sugar Factory Output of Sugar Losses
on the Uniformity of Operation, by V. N. Peletminsky.
RUSSIAN, per, Sakharnaya Prom, No 2, 1956.
CSR Co

USSR
Econ
Jul 64

262,575

Optimum Specific Loading on the Heating Surface of
Vacuum Pans, by M.L. Vaisman.
RUSSIAN, per, Sankharnaya Promyshlennost, 1957, nr 20.
CSR.Co.

Sci -
30 1957

334-305

On the Selection of a Molasses Mixture Type for the
Sugar Industry, by M.A. Borkovskii.
RUSSIAN, per, Sakharnaya Promyshlennost, 1956, pp 27.
CSR.CO/

Sci -
July 1967

334-054

Experimental Production of Calcium Carbide in a Sugar
Factory, by A. Ya. Rozchenko, A. Ya. Nevirovskiy,
V. T. Dement'yev, 7 pp. UNCLASSIFIED

RUSSIAN, no per, Sakhar Prom, No 5, Moscow, May
1956, pp 49-52.

OS JPRS/DC-L-318

Sci - Chemistry

64,144

Effect of Radiation From a Cobalt Isotope on the
Quality of the Roots of the Sugar Beet, by F. M.
Polishchuk, 5 pp.

RUSSIAN, per, Sakharneya Prom, Vol XXX, 1956,
pp 54, 55.

AEC Tr 2844

Sci - Biology

47,406

May 57

62-29287

Shchegolev, V. N.
AUMENTO DEL RENDIMIENTO DE LOS EVAPORA
DORES (Uvelichenie Proizvoditel'nosti Vyparnykh
Apparátov) (Increase in Evaporator Yields). 19p.
CID: 62-287.
Order from OTS, ETC or CID: \$0.80 62-29287

Trans. in Spanish of Sakharnaya Promyshlennost'
(USSR) 1957, v. 31, no. 1, p. 21-27.

DESCRIPTORS: *Evaporators.

(Engineering--Chemical, TT, v. 10, no. 7)

I. Shchegolev, V. N.
II. CID-62-287
III. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

62-29232

Shakia, A. N. and Fleishman, L. E.
EXPERIENCIAS DE LA PUESTA EN MARCHA DE LA
SECCION DE SEPARADORES DE LA FABRICA DE
AZUCAR DE ELANKOLENOVSKI (Uchest' Opyt Osvoen-
iya Separatsionnogo Tsekh Elan'-Kolenovskogo Sak-
harnogo Zavoda) (On stream Experiences in the Separ-
ator Section of the Elankolenovski Sugar Plant). 17p.
CID: 62-232.
Order from OTS, ETC or CID \$0.80 62-29232

Trans. in Spanish of Sakharnaya Promyshlennost'
(USSR) 1957, v. 31, no. 2, p. 5-10.

DESCRIPTORS: Industrial plants, Separation,
*Carbohydrates.

(Engineering--Chemical, TT, v. 10, no. 7)

I. S. ukin, A. N.
II. Fleishman, L. E.
III. CID-62-232
IV. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

Stepanenko, L.
INVESTIGACION DEL PROCESO DE LA PRIMERA
SATURACION EN UN ABSORBEDOR DE PULVERIZA-
CION Y NUEVO METODO DE SUMINISTRO DEL GAS
DE SATURACION (Issledovanie Protsessa i saturatsii
v Orositel'nom Absorbere i Novyi Sposob Podachi
Saturatsionnogo Gaza) (Research on the Primary Satur-
ation Process in a Spray Absorber and Description of
a New Saturation Gas Supply Method). 29p.
CID: 62-236.

Order from OTS, ETC or CID \$1.07 62-29236

Trans. in Spanish of Sakhar'naya Promyshlennost'
(USSR) 1957 [v. 31] no. 4, p. 59-66.

DESCRIPTORS: *Gases, Sprays, *Absorption.

(Engineering--Chemical, TT, v. 10, no. 7)

62-29236

- I. Title: Gas supply
method
- I. Stepanenko, L.
- II. CID-62-236
- III. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

63-16357

Gorban', D. V. and Tverdokhlebov, L. S.
INCREASING THE YIELD OF WHITE SUGAR. [1963]
[6]p. 2 refs.
Order from OTS or SLA \$1.10 63-16357

Trans. of Sakhar[maya] Prom[yshlennost'] (USSR) 1957
[v. 31] no. 7, p. 20-23.

DESCRIPTORS: *Carbohydrates, Colors, Moisture,
Production, Beets, *Cyclones (Mechanical)

I. Gorban', D. V.
II. Tverdokhlebov, L. S.

(Food, TT, v. 10, no. 9)

Zambrovskii, V. A.
USE OF HYDROCYCLONES IN THE SUGAR
INDUSTRY. [29 Sep 59] 10p. (figs. tables omitted)
6 refs.
Order from OTS or SLA \$1.10 63-16377

Trans. of Sakhar[naya] Prom[yshlennost'] (USSR)
1958 [v. 32] no. 7, p. 12-17.

DESCRIPTORS: *Carbohydrates, Classification,
Purification, Condensation, *Cyclones (Mechanical),
Design, Operation.

(Food, TT, v. 10, no. 6)

63-16377

I. Zambrovskii, V. A.

Office of Technical Services

Experience With the Operation of
Vacuum Filtration Installations, by
V. A. Zambrovskiy, 5 pp.

RUSSIAN, per, Sakharovaya Prom.
Vol XXXII, No 9, 1958, pp 12-16.

ATS-84539R

AD RJ-2475

Sci
Mar 62
Vol IV, No 2

188,850

Application of Hydrocyclones in the Sugar
Manufacture, by G. I. Adamov.
RUSSIAN, per, Sakharnaya Prom, No 10, 1958,
pp 14-20.
FTC-69-16198-07A

Sci-Chem
Feb 70

402,955

(DC-3696)

V. P. Zotov, 1 p

RUSSIAN, per, Sakhamaya Promyshlennost', No 4, 1959

JPRS 3846

USSR

Bicg

Sep 60

(SF-1702)

The Sugar Industry of the People's Republic of China,
by O. I. Volkova, 3 pp.

RUSSIAN, per, Sakharnaya Promyshlennost', No 2, 1961,
pp 69-70.

JPRS 4551

Asia - China

170,438

Econ

Oct 61

(SF-1881)

Development of the Sugar Industry in the First Two
Years of the Seven Year Plan, by S. I. Gerasimov,
6 pp.

RUSSIAN, per, *Sakharneya Promyahlemost'*, No 4,
1961, pp 1-5.

JPRS 4849

USSR

166,075

Econ

Sep 61

(DC-4700)

Planning and Recording Labor Productivity in
the Sugar Industry. by V. K. Yurschkovskiy, XZMJSY
3 pp.

RUS HAN, per, Sobremennaya Ekonomika, No 7, 1961,
pp. 96-99.

JPRS 10/19

USSR
Econ
Nov 61

174,504

TO IMPROVE AND TO REDUCE THE COST OF CONSTRUCTION
IN THE SUGAR INDUSTRY, BY I. YA. KANEVSKIY, 5 PP.

RUSSIAN, PER, SAKHARNAYA PROMYSHLENNOST', NO 2,
1962, PP 45-48.

JPRS 15610

USSR
ECON
OCT 62

214,132

About the Physical - Mechanical Properties of Raw
Sugar, by V.E. Stetsyk.
RUSSIAN, per, Sakharnaya Promyshlennost, 1962,
pp 23-27
CSR.Co/

Sci-
July 1967

334-302

Universal Scheme for Working Grain Into Starch
Products, by N. N. Tregubov.

RUSSIAN, per, Sakharnaya Promyshlennost', Vol
36, No 7, 1962, pp 55-58.

NLL RTS 3640

Sci-Agri

Nov 67

345,260

Improvements for Sugar Refineries, 9 pp.

RUSSIAN, per, Sakharaya Promyshlennost', No 9,
1962, pp 1-6.

JPRS 16380

USSR

Econ

Nov 62

517,835

Complete Utilization of Sugar Beets, by M. D.
Dem'yanenko, 6 pp.

RUSSIAN, per, Sakharnaya Promyshlennost, No 9,
1962, pp 16-19.

JPRS 16380

USSR
Econ
Nov 62

217,834

The New Beet Harvesting Combines, by V. I.
Chernyakov, 4 pp.

RUSSIAN, per, Sakharnaya Svekla, No 9, 1962,
pp 42-44.

JPRS 16447

USSR

Econ

Sci - Engr

Dec 62

Lomanova, M. M.

CLARIFYING POWERS OF ACTIVE HOME FAB-
RICATED CHARCOALS. [1961] 5p.
Order from OTS or SLA \$1.10

61-18698

Trans. of Sakharnaya Promyshlennost' (USSR) 1961,
v. 35 [no. 3] p. 16-18.

DESCRIPTORS: *Charcoal, *Carbohydrates, Process-
ing.

The possibility was confirmed of using active charcoal
for clarification of syrups.

(Food, TT, v. 7, no. 4)

61-18698

I. Lomanova, M. M.

Office of Technical Services

USSR SUGAR INDUSTRY ON THE 45TH ANNIVERSARY
OF THE GREAT OCTOBER, 5 PP.

RUSSIAN, PER, SAKHARNAYA PROMYSHLENNOST', NO 11,
1962, PP 1-5.

JPRS 17704

USSR
ECON
FEB 63

223,911

LOOSE STORAGE AND TRANSPORTATION OF UNREFINED
SUGAR IN THE REPUBLIC OF CUBA, BY A. V.
KAMENETSKIY, 6 PP.

RUSSIAN, PER, SAKHARNAYA PROMYSHLENNOST',
NO 12, DEC 1962, PP 11-14.

JPRS 17090

LA - CUBA
ECON
JAN 63

219,599

EXPERIMENT IN TRANSPORTING UNPACKAGED RAW CANE
SUGAR FROM CUBA TO THE USSR, BY M. B. YARMOLINSKIY,
M. A. ~~XX~~ BRENNAN, 9 PP.

RUSSIAN, PER, SAKHARNAYA PROMYSHLENNOST', NO 1, 1963,
PP 11-14.

JPRS 17972

LA - CUBA
ECON
MAR 63

224,930

THE TG-80-1.6 GAS BLOWER FOR SATURATING GAS,
BY D. A. TSUKERMAN, N. P. OBOYAKOV, 9 PP.

RUSSIAN, PER, SAKHARNAYA PROMYSHLENNOST, NO 1,
1963, PP 54-58.

JPRS 18636

USSR
ECON
APR 63

228,411

A SOVIET ANALYSIS OF THE CUBAN SUGAR INDUSTRY,
BY A. V. KOZLOV, 12 PP.

RUSSIAN, PER, SAKHARNAYA PROMYSHLENNOST',
NO 1, 1963, PP 72-78.

JPRS 17972

USSR
ECON
MAR 63

224,929

MAINTENANCE AND REPAIRS OF SUGAR REFINERIES,
5 PP.

RUSSIAN, PER, SAKHARNAYA PROMYSHLENNOST', NO 4,
1963, PP 1-4.

JPRS 20238

USSR-ECON
JULY 63

237,012

PLANNING AND ESTIMATION OF PRODUCTION COSTS, BY
V. I. KUTS, 5 PP.

RUSSIAN, PER, SAKHARNAYA PROMYSHLENNOST', NO 4,
1963, PP 41-44.

JPRS 20238

USSR-ECON
JULY 63

237,011

Non-Sugars in the Crystals of "Yellow"
Sugar, by A.R. Sapr¹onov. V.G. Chernikina.
RUSSIAN, per Saky. Prom. Nov. 1964, pp 17-21.
CSR

Sci -
Aug 67

337-508

Supplying Agriculture With Materials and Equipment,
4 pp.

RUSSIAN, per, Sakharnaya Svekla, No 2, 1957, pp 4-6,
Encl to Desp No 548, AmEmbassy, Moscow, 17 May 1957.
CIA/4046165

Dept of State *Tn*

49,626

USSR
Econ
Jul 57

Sugar Beet in the Chinese People's Republic,
by Daya-Diuyu, Sun' Chzhen-Go, 9 pp. UNCL

RUSSIAN, par, Sakharzaya Svekla, No 8, 1959,
pp 43-47.

LIU Tr Bul Apr 1960

FE - Rn China
Econ
May 60

115, 612

(DC-2700/9)

Full Mechanization in Sugar Beet Harvesting, by
G. M. Kukta, Z. P. Kitaytseva, 6 pp.

RUSSIAN, per, Sakharnaya Svekla, No 10, 1959,
pp 18-23.

JPRS 3425

USSR

Econ - Technological

Jun 60

120,106

(DC-2700/9)

Problems of Full Mechanization in Beet Growing,
by A. A. Vasilenko, A. F. Ushakova, 7 pp.

RUSSIAN, per, Sakharnaya Svekla, No 11, 1959,
pp 39-44.

JPRS 3425

USSR

Econ - Technological

Jun 60

120,107

(DC-2700/⁴83)

New Sugar Beet Machines, by M. I. Nozhkin, 4 pp.

RUSSIAN, per, Sakharnaya Svekla, No 8, 1960,
pp 30-34.

JPRS 6666

EE USSR

...Econ

Feb 61

139, 183

(DC-2700/49)

High Rates of Beet Harvesting, 5 pp.

RUSSIAN, per, Sakharova Svekla, No 9, 1960,
pp 1-3.

JPRS 6822

USSR
Econ
Mar 61

142,044

(DC-2700/43)

New Boat Harvesting Machines, by M. I. Nozhkin,
5 pp.

RUSSIAN, per, Sakharaya Svekla, No 10, 1960,
pp 29-31.

JPRS 6666

USSR

Econ

139, 184

Feb 61

S-461/64

Biosuperphosphate, by Ya. L. Ferenbok, 3 pp.

RUSSIAN, per, Sakharnaya Svekla, No 3, 1962,
p 33.

CIA/FDD X-5376

Sci - Chem
May 64

Using Heterosis in Sugar Beet Production, by T. F.
Grin'ko,
RUSSIAN, per, Sakharnaya Svekla, No 12, 1962, pp 22-24.
9220135

USDA Tr A-1418

OTS -TT- 64 - 13532

Sci - B & M Sci
Mar 64

251,325